



Y-12 Photos By Vince Moore

Y-12ERS RECENTLY ELECTED TO OFFICES IN THE OAK RIDGE LIONS CLUB ARE shown admiring the club's "head tom cat," held by Dr. C. P. Keim, retiring president. From left to right are W. C. Tunnell, director; Wes Savage, first vice president; Dr. Keim, Jim Bowers, lion tamer whose insignia of office is the "head tom cat," and Dr. Russell Baldock, director.

## Y-12ers Set New Attendance Mark As Three Major League Departments Report 'All Present' In One Week

Another new attendance record was set by Y-12 employees during the week ending June 11 when three departments in the Major League composed of departments with more than 50 employees reported perfect records for that period with no absentees. The previous mark of two Major League departments reporting perfect attendance in one week was set for the week ending May 28 and equalled the following week.

At the same time the plant-wide absentee record for the week ending June 11 dropped back to 1.6 per cent, tying the low mark established for the week ending December 11, 1949, and again equalled for the week ending May 7. This figure was .1 per cent lower than the 1.7 per cent posted for the week ending June 4.

### Stores Department Is Repeater

Of the three Major League departments tied for first place in the standings for the period ending June 11, the Stores Department came through with a perfect record for the second consecutive week. It was joined in the top bracket by the Analytical Laboratory and the Isotope Research and Production Department. These two groups advanced from eighth and ninth places held the preceding week.

Exceptionally low absentee marks were posted by the second and third place departments in the Major League standings. In second place was Field Maintenance with only .2 per cent of its employees absent while in third place was Buildings and Grounds with an absentee record of .4 per cent. Field Maintenance was in fourth place during the week ending June 4 and Buildings and Grounds held down 11th position.

### Seven Departments Duplicate

Another exceptional feature of the attendance ratings for the week ending June 11 was the fact that seven out of the nine departments of the Minor League, with from 15-49 employees scheduled, that reported "all present" marks for the preceding week repeated their performance. The repeaters were the Laundry, Cafeteria and Canteen, Receiving and Shipping, Planning and Estimating, Steam Plant, Property and Maintenance Utilities, Technical Service Laboratory and Employee Relations, in the perfect attendance bracket the previous week, dropped down to sixth and ninth places.

Plant Engineering climbed from fifth to second place in the Minor League for the week ending June 11 and reported an absentee mark

(Continued on Page 2)

## Y-12ers Invited To Attend Physics Seminar Meeting

All Y-12 technical and scientific personnel are invited to the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, June 23, in the East Lounge of the Ridge Recreation Hall. The topic of discussion at the meeting will be "Anomalous Magnetic Moments of the Neutron and Proton." S. B. Drell, of the Oak Ridge National Laboratory physics division, will be the principal speaker.

## SAFETY SCOREBOARD

Your Plant Has  
Operated  
362 DAYS  
Without A Lost Time  
Accident  
THROUGH JUNE 18

(Continued on Page 2)

## Y-12 CREDIT UNION MEETS TO RECEIVE CHARTER, HOLD ELECTION

### Camera Club Awards Swept By Y-12 Men

Y-12 members of the Carbide Camera Club, composed of photographic enthusiasts from all three Carbide installations in Oak Ridge, swept honors in the annual awards for the best entries over the 12-month period ending in April. The awards were announced at the club meeting last Tuesday night in club headquarters in the Y-12 East Portal building.

### Stetson Takes Two Firsts

In black and white prints first place was taken by Nat Stetson, Electromagnetic Research Laboratory, president of the club. Second place went to Don Ross, of Health Physics and Hygiene; and third place to Frank J. Gordon, also of the Electromagnetic Laboratory. Stetson also took first place in the color slide competition with H. L. Dickerson, of the same department, in second place. Third place went to John Ramsey, of Chemical Research.

The awards were made on a basis of points accumulated in the monthly contests held by the club. First place in each contest counted for six points, second place took four points, third three points and first honorable mention one point.

### Winners To Be Rewarded

The winners in each classification will receive a plaque or trophy, to be presented at the annual salon meeting of the club in October.

Frank Steahly, of Oak Ridge National Laboratory, gave a demonstration of the use of Varigam paper for photographic prints and Miss Louise Gilbert, illustrator and artist of the McGraw-Hill Publishing Co., criticized pictures displayed by the U. S. Graflex Co. and the Eastman Kodak Co. at the meeting.

A color slide contest on the subject of spring flowers will feature the next meeting of the club scheduled for Tuesday, July 11.

### HEAVIEST ELEMENT FOUND

The San Francisco Examiner has revealed that Dr. Glenn T. Seaborg, University of California scientist, has discovered an element heavier than any known to man. It is No. 97 to be called Berkelium in honor of the university's home city.

## Board Of Directors Is Selected; Credit, Supervisory Groups Named

The Y-12 Employees' Credit Union was scheduled to receive its charter, elect a board of directors, two committees and make plans to begin operations in a meeting slated for Monday night at the Junior Chamber of Commerce hall in Oak Ridge. The Monday night meeting culminated many weeks of activities by a Y-12 plant-wide committee and about 130 other employees interested in organizing a credit union.

### Preliminary Action Completed

The committee called the meeting after receiving a letter last week from J. T. Rutland, a credit union examiner from the Federal Credit Union Agency indicating that all preliminary action necessary for the formation of the group had been completed and asking that the session be set to expedite the formal organization and place the Y-12 credit union in operation.

Rutland was to have attended the meeting Monday, accompanied by Ralph Cowart, another federal credit union examiner.

On the program for the meeting first was the election of a board of directors. This board, of seven members, was to be elected by the membership of the credit union. After election, the board chooses from its own membership a president, vice president, secretary, treasurer and clerk.

### Two Committees Elected

Two committees were to have

been elected by the membership at the Monday meeting. The credit committee of three members and two alternates passes on all applications for loans and such applications must be unanimously approved by committee members considering the applications. The other committee is the supervisory committee, which also serves as an internal auditing committee.

The plant committee that has been handling preliminary details prior to the formal organization is composed of Don Phillips, Technical Service Laboratory; Allen M. Schrader, Field Maintenance; W. K. Palmer, Manufacturing Offices; Winfred Ray, Product Chemical; and Clarence Johnson, Safety.

## Carbide Editors To Take Part In Institute At University

Editors of the three Carbide newspapers published in Oak Ridge will participate in an industrial editing institute June 25, 26 and 27, sponsored by the University of Tennessee Department of Journalism and Appalachian Industrial Publications. J. B. Riordan, editor of the Carbide Courier at K-25 is president of the news group.

Institute sessions will be held at Perkins Hall, new civil engineering building at the University of Tennessee. The meeting will include a sightseeing trip to the Smoky Mountains and to the Oak Ridge National Laboratory and the American Museum of Atomic Energy.

Speakers include Roger P. Fox, associate editor of Forbes Magazine, New York; George B. Moynahan, general publicity department, Union Carbide and Carbon Corporation, New York; James R. Shutts, managing editor, GM Folks, General Motors Corporation, Detroit; C. W. Orcutt, managing editor, Knoxville News-Sentinel; and John W. Vance, assistant director of public relations, International Harvester Co., Chicago; and Elbert Walker, editor of The General, General Shoe Corp., Nashville. T. E. Lane, superintendent of industrial relations, Carbide and Carbon Chemicals Division, UCC, will be toastmaster at a dinner meeting of the institute.

## Edgemoor Bridge Opened For Traffic

Y-12 motorists who used the Edgemoor bridge going to and from Oak Ridge are advised that the span is open for traffic again after being closed during daylight hours for several weeks while under repairs. The repairs have progressed sufficiently so that continued traffic is allowed.

### BOMB SAID EDUCATIONAL

Recent news stories have quoted Dr. Robert A. Millikan, Nobel Prize winning scientist, as saying that the atomic bomb is an educational force which has brought possibility of peace closer than ever before. Dr. Millikan made his remarks at a luncheon meeting in New York.



# The Bulletin

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Y-12 Employees Of  
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## Y-12ers Set New Mark In Plant Attendance

(Continued from Page 1)  
of .6 per cent. Third place was retained by Uranium Control and Computing for the second straight week with the latest absentee record being 1.38 per cent.  
The plant-wide absentee record for the week ending June 11, by departments, follows:

MAJOR LEAGUE			
More Than 50 Employees Scheduled			
Dept.	Percentage Absent	Standing 6-11-50	6-4-50
2142	0.0	1	1
2282	0.0	1	8
2360	0.0	1	9
2015	0.2	2	4
2014	0.4	3	11
2320	0.7	4	5
2300	1.65	5	7
2077	1.65	5	12
2619	1.70	6	1
2283	2.1	7	2
2091	2.2	8	10
2616	2.6	9	3
2003	2.7	10	6

Group absentee percentage was 1.4 per cent, .2 per cent lower than the preceding week.

MINOR LEAGUE			
15-49 Employees Scheduled			
Dept.	Percentage Absent	Standing 6-11-50	6-4-50
2096	0.0	1	1
2107	0.0	1	1
2143	0.0	1	1
2002	0.0	1	1
2743	0.0	1	1
2140	0.0	1	1
2005	0.0	1	1
2060	0.6	2	5
2739	1.38	3	3
2046	1.42	4	7
2133	2.7	5	2
2270	3.8	6	1
2008	3.9	7	6
2200	4.7	8	4
2109	6.7	9	1
2001	7.0	10	8

Group absentee percentage was 2.3 per cent, .2 per cent higher than the preceding week.

The plant average for the week ending June 11 was 1.6 per cent, .1 per cent lower than the preceding week.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: William Hinkleman, Electrical Maintenance; Mary F. Williams, Janitors.

## 'Flying Dutchman' On Story Program

The famous and interesting story of "The Flying Dutchman" will be presented on the My Favorite Story radio program over Oak Ridge Radio Station WATO at 7 o'clock Sunday night, June 25. The 30-minute program is sponsored by Carbide.

Selection of the famous legend of "The Flying Dutchman" for presentation on the program was made by Loretta Young, moving picture actress. Ronald Coleman will be commentator on the program.

### NEW DETECTOR FOUND

General Electric Co., according to the New York Times, has announced development of a new device to warn atomic laboratory workers of the presence of radioactive materials. The instrument, shaped like a policeman's nightstick, is called a "neutron counter tube." The company claims that the instrument will show whether neutrons have penetrated shields installed to protect workers from exposure to radiation.



MISS REBA JUSTICE, FORMER Y-12ER, WHO WILL BE married June 24, was honoree at a silver shower given last week. Hostesses at the event were Mary Barnes, Jean Rogers and Virginia Smith, all of Y-12. Members of the party, shown from left above, are, seated, Miss Justice and Mrs. Ruth Scheitlin and daughter, Elaine, and standing are Merle Murphy, Jean Davis, Mary Barnes, Virginia Spivey, Louise Ward, Jean Rogers, Elizabeth Young and Virginia Smith. Not shown was Emily Leyshon, also a guest.



Mileage sure piled up for Product Chemical folks on vacations . . . Al and Lucy Townsend are on an 18-day tour to the West Coast—visiting such points of interest as Carlsbad Caverns, the Grand Canyon, Painted Desert, Catalina Island, and Yosemite National Park. The trip included a stop at Davenport, Iowa, on the return trip . . . In the other direction W. H. Hoose and family are vacationing for a week in Central New York state near the Finger Lakes region and also plan to stop at Niagara Falls.

Still further Product Chemical News is that a group of the boys—Ted Weaver, George Massengill and Kenneth Faulkner—motored up to Cincinnati June 10-11 to see the Cincy Reds play the Brooklyn Dodgers . . . W. S. Wallace vacationed nearer home—in Chattanooga and Nashville . . . Dovey Searcy spent a week's vacation with her mother in Alabama . . . The department extends deepest sympathy to N. H. Campbell over the death of his father in Morristown.

L. G. Lankford, of Maintenance Shops, spent a week's vacation entertaining relatives from Texas by showing them the Smokies . . . W. H. Rodgers is spending a couple of weeks fishing around Norris Lake and resting at his home in Athens, Tenn. . . C. M. McAmis is visiting relatives in Chattanooga while on vacation . . . Get well wishes are extended to R. C. Winfree and A. L. Cardwell.

The Chemical Research Department and Al Palko are exchanging handshakes over Al becoming a proud papa on June 11 to a six-pound, three-ounce baby girl born at Oak Ridge Hospital. She has been named Elaine Marie . . . The department welcomes Drs. D. G. Hill and G. R. Leader, with it for the summer . . . Sympathy is extended W. M. Leaders and family over the death of his father-in-law.

C. L. Bratcher, of the Property Department, and family took it easy on a week's vacation spent in Chattanooga and Gatlinburg.

It was sorta like Old Home Week along the North Portal promenade last week as Doris Moore, of Employee Relations, had as her guest Mrs. John Lakner, of Los Alamos, N. M. Mrs. Lakner is the former Avo Hammond, of Employment. She left Friday to visit relatives in Jamestown, Tenn., and from there will go to Chicago to meet her husband, then visit in Northern Minnesota and thence back to New Mexico via California. That's getting around.

Isotope Research and Production reports that Alma Jane Shaw was among the latest of the Y-12 delegation to vacation at Daytona

Beach, June 10-18. . . . Boyd S. Weaver attended a meeting at Columbus, Ohio, June 16-17 . . . Velma Rogers followed Alma Shaw to Daytona, vacationing there from June 17 to June 25 . . . Boody Garrett and her husband went on deeper South, to Miami and Ft. Lauderdale while on vacation for two weeks, and also dropped in on her folks in Johnson City . . . Jesse Griffin and family vacationed for a week in Middle Tennessee.

W. T. McNamara, of Planning and Estimating, spent a pleasant week end recently in Boston, Mass.

Birdie Fitzgerald, of Manufacturing Offices, visited her brother in Philadelphia while on vacation. Analytical Laboratory reports that Daisy Ward and her husband spent the past week end 'way over in Arkansas.

W. T. Hays, of the Security Office, was confined to his home last week because of assorted miseries.

E. E. Duncan, of the Chemical Department, spent his vacation of one week right in Oak Ridge . . . Lloyd Tolliver went him one better—same vacation site but time, two weeks. C. E. Herrell is welcomed back after a recent illness . . . A. C. Lee is back after a week's vacation at his home in Madisonville.

Walcott Watson, of the Stores Department, is an exceptionally proud father of recent date—the latest member of the family being a girl born June 11 at the Oak Ridge Hospital and named Patricia Hart. The Watsons are particularly happy over being blessed with a daughter as they have three boys . . . H. L. Guettner spent a week's vacation over in Kingston . . . J. D. McGuffin (you might know it) already is planning to major in angling in lakes handy to Oak Ridge . . . Margaret Johnson is touring the New England states, Niagara Falls and Canada . . . Eva Russell is sporting a new Plymouth . . . Jackie Tankersley is spending two weeks vacationing at her home in Chattanooga.

John Orr, of Electrical Maintenance, is spending most of his two weeks vacation fishing over in North Carolina . . . George Schaefer spent his vacation of one week right at home in Oak Ridge.

Now in closing let us extend best wishes to the Old Angling Author, E. Means, of Electrical Maintenance, who is vacationing for one week—reportedly endeavoring to dig up some worms and first hand information on trout fishing with which to regale his readers and listeners.

Be tolerant. If you cannot or will not change your opinions, it is often possible to change the subject.

It required hundreds of nuts to hold an automobile together—and only one to knock it apart.

## Precautions Cited To Combat Polio

Remembering the tragic death-dealing epidemic of polio that swept the nation last year, the National Foundation For Infantile Paralysis has issued a list of precautionary measure to be observed by persons in charge of children during the danger period for the disease. This period usually runs from May through October, reaching its peak during the hot mid-summer months.

The five easy-to-follow health rules, observance of which might be the difference between avoidance and catching the dread disease, follow:

1. Avoid crowds and places where close contact with other persons is likely
2. Avoid over-fatigue caused by too active play or exercise, or irregular hours.
3. Avoid swimming in polluted water. Use only beaches or public pools declared safe by local health authorities.
4. Avoid sudden chilling. Remove wet shoes and clothing at once and keep extra blankets and heavier clothing handy for sudden weather changes.
5. Observe the golden rule of personal cleanliness. Keep food tightly covered and safe from flies or other insects. Garbage should be tightly covered and, if other disposal facilities are lacking, it should be buried or burned.

The National Foundation also listed the following symptoms of infantile paralysis: headache, nausea or upset stomach, muscle soreness or stiffness, and unexplained fever. Should polio strike in your family, call a doctor immediately. Early diagnosis and prompt treatment by qualified medical personnel often prevents serious crippling, the National Foundation pointed out.

The organization emphasized that fear and anxiety should be held to a minimum. A calm, confident attitude is conducive to health and recovery. Parents, it said, should remember that of all those stricken, while another 25 per cent 50 per cent or more recover come are left with only slight after effects.

## Music Listening Group Offers 'Faust' On Thursday Night

Gounod's popular opera, "Faust," will be presented by the Oak Ridge Music Listening Group at 8 o'clock Thursday night, June 22, in the East Lounge of the Ridge Recreation Hall. The Victor Red Seal recording of the superb opera will be given.

The recording was made in Europe by Orchestra de l'Opera in Paris with Henri Busser conducting. The cast includes Cesar Vezami as "Faust," Marcel Journet as "Mephistophiles" and Mirelle Berthan as "Marguerite."

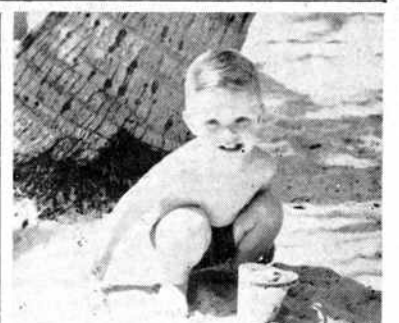
The first 30 persons arriving at the concert, admission free, will receive French-English librettos as souvenirs. Program notes will be given by Vivian Ashcraft, of K-25.



Three employees became parents of babies born at the Oak Ridge Hospital last week. They were Lawrence E. Baker, boy, June 9; Walcott Watson, girl, June 11; Aloysius A. Palko, girl, June 11.

### DELAWARE OFFERS COURSE

The University of Delaware soon will offer a course in radiation physics, says the New York Times. The purpose of the course will be to train a select group in basic principles of radioactivity and hazards involved in handling such materials.



DOWN BENEATH A sheltering palm tree on Miami beach is shown Richard Johnson, two-year-old son of K. O. Johnson, of the Chemical Research Department, who was vacationing in Florida when he took the picture.

## Dr. Baekeland Pioneer In Modern Plastics

(Continued from Page 1)  
came a unit of Union Carbide and Carbon, both divisions began to work together in a wider field for the development of their remarkable plastics.

### Plastics Used In Aircraft

Plastics have contributed to the development of whole industries. The use of plastics in aircraft was probably first suggested during World War I, when canvas was impregnated with "Bakelite" laminating resin varnish and molded into propellers that were tested and found stronger and more practical than the wooden propellers. Today a modern high-speed bomber employs more than 2,000 parts of plastics, without counting radio equipment and flight instruments. They are used for such things as ignition parts, propeller bushings, flaps, sheaves and pulleys. Even bomb sights use them.

Right in front of the pilot, rigid "Vinylite" plastic sheets are used in panel boards and frames, instrument dials, switches, gauges, protractors, and maps. "Vinylite" navigation instruments do not shrink or warp, and are therefore reliable to the last fraction of an inch. In the vital two-way radio system, plastics are used in handsets and microphones, switches, and such parts as insulator mountings and terminal strips.

### Synthetic Resins Used

Synthetic resins used in the manufacture of protective coatings provide films and varnishes for wing and tail surfaces. They also protect plane parts stored for shipment.

A review of plastics working in such capacities as these has prompted aircraft officials to state that plastic parts play an essential and integral role in the present and future of flight.

The story of plastics and planes is only one example of the importance of synthetic plastics today, only one indication of the things to come.



### McKAY—MORGAN

Mr. and Mrs. David R. McKay, of Oak Ridge, have announced the engagement and approaching marriage of their daughter, Miss Shirley McKay, of the Y-12 Assay Laboratory, to Giles Morgan, son of Mrs. James G. Morgan and the late Mr. Morgan, of North East, Pa.

The wedding is planned for August 1 at the Chapel-On-The-Hill. The groom-elect is a graduate of Grove City College and the University of Pennsylvania. He is with the NEPA Project of the Fairchild Airplane and Engine Co., Oak Ridge.

In 1770 when it was learned that latex would rub out pencil marks, it was called "rubber."

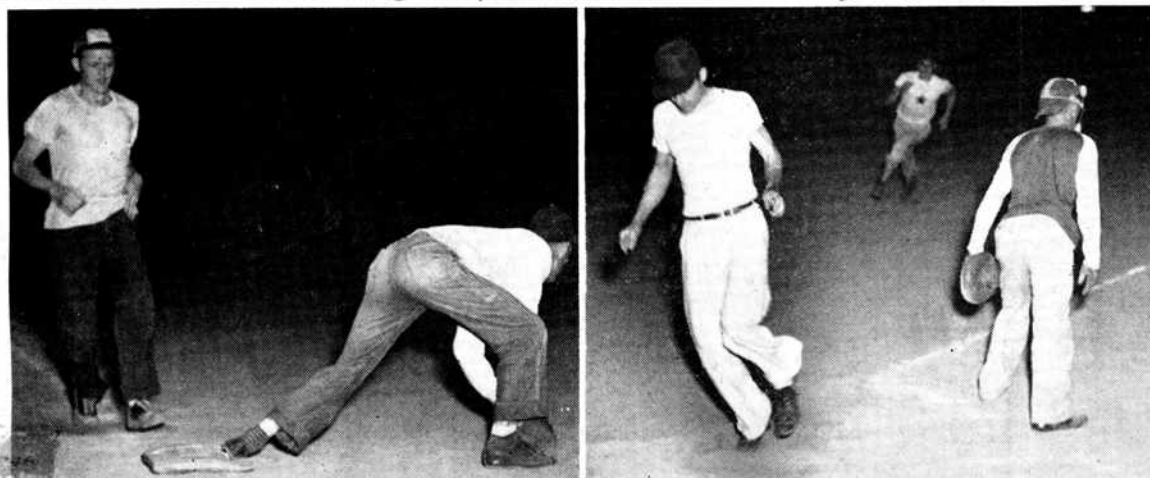
A man may fall several times, but he isn't a failure until he starts saying somebody pushed him.



# RIPPERS WIN PLANT GOLF LEAGUE TOURNAMENT

6-15-24

6-15-23



THERE'S USUALLY PLENTY OF ACTION IN THE Y-12 PLANT SOFTBALL LEAGUE games, as shown in these pictures. At right Don Kuhn, of the All Stars, is crossing the plate, closely followed by George Marrow as the Bums' catcher Hale waits in vain for the ball. At left Ted Higgins, also of the All Stars, is out at first base on the back end of a double play. E. M. Honeycutt, of the Bums is the first sacker.

## Varsity Softballers Idle Until Next Week

After coming through with an even break in games last week, the next scheduled games for the Y-12 varsity softball team are not set until next week. Dick Dew's Y-12 Dandies picked up a triumph over Oak Ridge Motors, but dropped an extra-inning eight-round heart breaker to Oak Ridge National Laboratory by 1 to 0.

The league schedule for next week follows:

Monday, June 26—7 p.m., Y-12 vs K-25. 8:30 p.m., ORNL vs Roane-Anderson.

Thursday, June 29—7 p.m. Oak Ridge Motors vs Vagabonds. 8:30 p.m., Y-12 vs ORNL.

In that overtime game with ORNL, the Y-12 hitters could get only four safe bingles, two by Webber and one each by Hale and Wright.

### Y-12 Beats Motors Again

The Y-12ers took another victory from Oak Ridge Motors on Monday night of last week, winning this one by 7 to 4. Dew's lads got only five hits, but took advantage of opposition errors and walks to pile up an early lead and were never threatened after the first inning.

Miller started pitching for Y-12, but was relieved by Ed Sise. The Y-12 hits were scattered among Wright, Pletz, Hale, Sise and Barker. The losers could get but two bingles off the combined offerings of the Y-12 twirlers.

Line scores of the games follow:

Team	R	H	E
OR Motors	211	000	0 4 2 2
Y-12	232	000	x 7 5 3

Batteries: Y-12, Miller, Sise and Hale. Oak Ridge Motors, Doane, Little and Normand.

Team	R	H	E
Y-12	000	000	00 0 4 0
ORNL	000	000	01 1 8 2

Batteries: Y-12, Sise and Hale. ORNL, Ke and Morgan.

Rem. her - ONLY YOU CAN  
PREVENT  
FOREST FIRES

BREAK IT!



6-15-22

Y-12 Photos By Vince Moore

PICTURED ABOVE ARE THE ALL STARS OF THE Y-12 Plant Softball League, current threats to Bldg. 9212 for the loop leadership. In the front row, from left, are Shorty Burnette, Don Kuhn, Don Ross, Louis Twitchell and Manager Paul Petretzky. In the back row are Bill Ward, Lon Niemeyer, George Marrow, John Schmitt, Ted Higgins, Frank Scheitlin and Rudy Pletz. Team members not present when the picture was made are Joe Tilson, John Peeley and Fletcher Daley.

## Postponed Games May Determine Victor In Plant Softball Loop

The Y-12 Plant Softball League is upholding its reputation of several years standing for staging close finishes. The 1950 version finds the Bldg. 9212 sluggers on the verge of taking honors for the first half of the season, as that club had a one-game lead at the end of play last week, in which but one game was played.

However, games this week and some make-up contests might have a lot to do with determining the winner. Bldg. 9212 was to have met the Isotopes Tuesday night of this week as the regular schedule for the first half of the season was concluded. The All Stars were not scheduled to play Tuesday.

### Leaders May Meet Thursday

In an effort to catch up with postponed games Bldg. 9212 and the All Stars are scheduled to meet in a make-up game at 6:30 o'clock Thursday night with the Rippers and Isotopes meeting at 8 o'clock. That first game might well be the deciding tilt if Bldg. 9212 loses Tuesday. Then the All Stars also have a rained out game to play with the Rippers at 6:30 o'clock Thursday night.

The second half of the season is scheduled to get under way on Thursday night, July 6.

## Women's Net Team Meets ORNL Next

The Y-12 women's tennis team was scheduled to have met the K-25 feminine netters last night on the Townsite courts and are not scheduled to don their war garb again until Wednesday night, July 5, when they are slated to meet the Oak Ridge National Laboratory lassies. This tilt is scheduled for 5:30 p.m. on the Townsite court. In their last two clashes with the ORNL racqueteers the Y-12ers emerged with even breaks.

The All Stars took the only tilt staged last week, beating the Bums by 9 to 8 last Tuesday. The Rippers forfeited to Bldg. 9212 that night and on Thursday night came the rains. In the game played Brown and McGill, of the Bums, each got two for four and Manager Paul Petretzky, of the All Stars, banded out two for three.

Score by innings of the only game played last week and the league standing as of last Friday follows:

Team	R	H	E
All Stars	041	022	0 9 8 4
Bums	212	000	3 8 8 3

Batteries: All Stars, Ross and Twitchell. Bums, Francis and Hale.

### LEAGUE STANDING

Team	W	L	Team	W	L
Bldg. 9212	4	1	Isotopes	2	3
All Stars	3	2	Rippers	1	3
Bums	3	4			

## NEPA Netters Whitewashed By Racqueteers Of Y-12

The Y-12 men's tennis team closed out the first half of the season in the Oak Ridge Tennis League by handing the Fairchild team a whitewash walloping, taking seven matches to none for the NEPA netters.

Allen Hodges turned in the first victory for Y-12 in the singles by nosing out Sing, of Fairchild, by 6-3 in the first set and then taking a 14-12 marathon tilt for the decision. Mal Wallis took Goldman, 6-2, 6-2 and Fred Hurst exhibited unexpected power by blank-Dyer by 6-0 6-0. Y-12's Murray beat Miller by 6-1, 6-1 and Charley Barton won from Robertson by default when the latter pulled a leg muscle while playing.

Both of the doubles matches went to Y-12 by default, George Wells and Harold White getting one decision and the other going to Vince Moore and Fred Thomas.

## Winners Barely Make First Five; Don Matlock Captures Dog Fight

One of those story-book finishes brought victory to the Rippers in the Y-12 Golf League tournament staged Sunday over the Oak Ridge Golf and Country Club course. Barely easing into the first five teams in the league standing at the end of the regular season last week, the Rippers blasted out their tournament win by shooting classy golf all the way.

## Cards Play Tonight After Two Road Wins

The Y-12 Cardinals went into high gear last week to turn in a pair of lop-sided triumphs, trouncing Oliver Springs and Lake City, both games being staged on the Lake City diamond. Oliver Springs was taken into camp by 13 to 2 while Lake City was submerged by 10 to 6.

The Y-12er will see action at 8 o'clock tonight against Roane-Anderson and will play K-25 at the same hour next Monday night. Both games are slated for the Gamble Valley arena.

Against Lake City the Cardinals got out in front and stayed there, despite a belated ninth-inning rally by the home club that netted five runs. Lefty Carter allowed nine hits and whiffed five while walking four. For Y-12 the leading hitter was Walt Sherrod with two for four, including a two-bagger. Charley Kirkwood, former Oak Ridge High School star, played first base for the Cards and came through with two for five, as did Bill Dodson. Robertson banded out three for five.

### Addison Pitches, Hits Well

In that 13 to 2 rout of Oliver Springs Jack Addison pitched and batted the Cards to victory. He kept 10 hits well scattered and whiffed seven of the Springers and banded four bingles of his own and scored two runs for a good night's work. Bill Asbury, third sacker for the Cards, hit two for three, both two baggers, and scored three times and Bill Dodson counted twice without benefit of a hit.

The Y-12ers were outhit by 10 to nine but Oliver Springs had seven cases of accentuated butterfingers to help the victors along. The Cards bobbled four times themselves, not quite par for the course. However, they turned in a snappy double play from Asbury to Elmer Johnson, at second, along to Fred Guttery at first.

Line scores of the Cardinal games follow:

Team	R	H	E
Y-12	000	264	151 13 9 4
Oliver Springs	000	002	000 2 9 4

Batteries: Y-12, Addison and Robertson. Oliver Springs, Wright and Davis.

Team	R	H	E
Y-12	312	002	101 10 13 1
Lake City	000	001	005 6 9 5

Batteries: Y-12, Carter and Robertson. Lake City, Crowley, Stansberry (8) and Clapp.

## Summer Bowlers Of Y-12 Win Another Whitewash Triumph

The Y-12 bowling team in the Oak Ridge Summer League kept up its torrid pace last Thursday night at the Oak Terrace by winning another whitewash victory. The Jefferson keggers were the latest victims. It was the fourth such triumph in a row for the Y-12ers, who now are boasting of a record of 23 points won and but one dropped since the season opened. Needless to say the team is far out in front in the league standing, with their Jefferson victims in second place.

The Y-12ers started out fast to post a 817 to 741 victory in the first game. Although the Y-12 scores dropped off a bit in the last two tilts, so did those of their opponents so the loop leaders captured both by 785 to 698 and 742 to 686. Totals were 2,344 for Y-12 and 2,125 for Jefferson.

The individual scores of the victors were well bunched. Park led the list with 489 but was closely followed by Burns with 488 and Gragg with 478. Riddle posted 464 and Duckworth 425.

The Rippers posted 31½ points to win the event. The Rough Riders were second with 36, the Hooks came in third with 42, followed by the Four Hundreds at 49 and the Green Rays with 52½ points. Hooker Tops With 72

In net scores the individuals of the Rippers all did themselves proud. Archie Hooker had 72 for two points, Cecil Hubbard 74 for 4½, Arnold Tiller 79 for 10½ and Jay Holtzknicht 81 for 14½.

In the dog fight competition staged in connection with the tournament, first honors were taken by Don Matlock with a net score of 72. J. Clyde Bowles and Hooker tied for second place with 73s.

### Rippers Defeat Deacons

The Rippers eased into the play-off last week by trouncing the Deacons and ending the season with five points won and four lost. Bldg. 9212, considered a strong contender for the playoff, was ousted by the Four Woods in somewhat of an upset.

The league standing at the end of the regular playing season follows:

Team	W	L	Team	W	L
Four Hundreds	6	2	Bldg. 9212	4½	4
Rough Riders	6	3	Left Overs	4	5
Hooks	5½	3	Four Woods	4	5
Green Rays	5	3	Dacons	3	5
Rippers	5	4	Chippers	2	6

## Plant Golfers Defend Title In Saturday Tilts

Y-12 golfers will take to the Oak Ridge Golf and Country Club course Saturday afternoon in defense of the inter-company trophy in the first of two matches against other teams in the city. In addition to Y-12, teams will be entered by Roane-Anderson, Oak Ridge National Laboratory, K-25, Fairchild, AEC and the Oak Ridge Hospital. The team with the low aggregate score at the end of the two matches will be declared the winner and awarded a handsome trophy.

The Y-12 team probably will be selected from a squad consisting of Bill Reynolds, John Shugart, Doug Lavers, Bill Wannamaker, Arnold Tiller, Clyde Bowles, Leo Caldwell, Walt Sherrod, L. H. Barker and Larry Koontz. Each team will be composed of eight golfers.

## Dodgers Defeat Harriman; Play Again Saturday

The Y-12 Dodgers handed the Harriman Tigers a 4 to 3 trimming last Sunday afternoon at Gamble Valley and will meet the same team at 2 o'clock Saturday afternoon on the same grounds.

The Dodgers topped the Tigers the hard way by pushing across two runs in the ninth inning. Weaver punched out a single to send the tying run across and then Faulkner doubled to score Weaver with the winning run.

Team	R	H	E
Harriman	3	6	3
Y-12	4	6	2

Batteries: Harriman, Waddely and Johnson. Y-12, Detheridge, Faulkner (5) and Hartness, Brewster.

No man really becomes a fool until he stops asking questions.

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## 'Good' Tired Feeling Is Normal If Relief Comes From Sleep And Rest-Relaxation Is Important

It's good to be tired at the end of the day. There is satisfaction in accomplishment, in working at top speed, in being "on your toes" in carrying your share of responsibilities. That "good" tired feeling is normal if it can be relieved by sleep and rest. It's not good to be constantly tired. Chronic fatigue seldom comes from hard work alone—it may be a warning of disease, overactivity, or too

much worry.

Many things besides the expenditure of muscular strength and mental power may cause tiredness. It may come from too little sleep, rest, and fresh air, failure to eat food (the source of energy), noise, upsets, by draining nervous energy, sap vitality quicker than almost anything else. Friction explosions of anger, gnawing jealousy, resentment, and worry are far more wearing than muscular and mental work.

So, by the day's end—anyway for most of us—muscles ache, nerves are on edge, we're tired and just want to relax.

### Comes Play For Relaxation

Play releases tension. It is an outlet for the emotions. No matter how absorbing work may be, everyone needs to get away from it at times and play. Far from being a waste of time, play rounds out life. It makes us healthier human beings, better workers, and more enjoyable companions. Through play, as much as through work, we learn to understand one another and how to get along together.

Real play is something a person chooses to do because he likes it—and for no other reason. Usually, it is a diversion which is as different as possible from his daily task.

### Some Require Extra Effort

To some people, recreation means running off to the movies, to a dance, to play baseball, to bowl, or to join in other group activities. To others such pastimes may be overstimulating, or require too much exertion.

Plenty of diversion can be had at home—reading, playing quiet games like chess, checkers, or cards, listening to the radio, or just loafing, perhaps smoking, or talking with friends or family. Those who do heavy physical work may be better off for relaxing in some quiet way as this. In any event, they ought not to drive themselves to added physical activity unless they feel like doing so.

Those who have sedentary jobs need some exercise, preferably out of doors. The type of exercise depends on age and physical condition. Young people can go in for strenuous sports; older people might be wiser to stick to milder activities—walking, swimming, skating, croquet or golf.

### Hobbies Afford Recreation

A hobby affords recreation which can be pursued alone. It may be the door to a new world. There are endless possibilities for developing hobbies, for example, music, photography, gardening, aeronautics, the study of birds or astronomy, things to make or collect, things to paint, draw, or model.

Family good times offer some of the best means of recreation. A picnic, playing games or working puzzles, reading aloud, popping corn or making candy with the youngsters, going on a walk, or on excursions to the zoo or to a museum are some of the things old and young can enjoy together.

Even the small "chores" around home can be fun if everyone enters into the spirit of it and does his share. Then, it can be fun to "clean up" after meals, to mow the

human beings, too. We have young ones waiting at home for us to return. We, too, could have been killed.

"You and your girl were one second from eternity, Sunday, son. I hope you read this and know it means you, and that your girl will, too. Next time you go driving around, stop and look. We don't want to hit you, but we are helpless as we cannot swerve away from our given rail."

"If I were you son, and you, too, sis, I'd thank God for that split second He granted you Sunday evening."

### Prayer May Have Saved All

"I said a prayer for all when I realized you were going across. Perhaps that's what saved us all."

"Now, think it over, both of you. And I'll bet you are both still shak-ing in your shoes."

"And, please, for God's sake, don't try it again."

lawn and weed the garden, to hunt for grandmother's spectacles, to mend the little gadgets that "get out of fix," to look for safety hazards and correct them.

### Laughter Loosens Kinks

Fun and laughter help to loosen up the kinks. Taut muscles begin to relax; knotty problems slip into the background; hurts, injustices, and worries dwindle with play and laughter. So you are ready for sleep.

Sleep is the great cure-all for tiredness. During sleep the body functions at a slower pace, the heart rests longer between beats, the blood pressure is lowered—breathing comes and goes with a longer, deeper rhythm.

Quiet, darkness, fresh, moving air; and a comfortable bed are sleep inducers. But more important than any of them is the ability to relax. Just going to bed will not bring sleep to a keyed-up person. It is well to slow down in thought and action before even trying to sleep. Here are a few suggestions which may be helpful:

1. "Take it easy" in completing your bedtime preparation.
2. Sip some warm milk.
3. Take a leisurely, tepid bath.
4. Read a nonexciting book in bed until you become drowsy. Prop yourself up with pillows or a back-rest and have a good light.
5. Listen to some music on the radio while you lounge in an easy chair or on the sofa.
6. Visit quietly with a member of the household.

If in spite of everything you are still troubled with sleeplessness, consult your physician. No sleeping remedies should be taken without his advice.

## Robins To Meet Knoxville Teams; Y-12ers Divide

The Y-12 Robins have a pair of games scheduled with leading Knoxville women's teams over the coming week end, meeting the state championship Cas Walker lassies at 7:30 o'clock Saturday night and the Knoxville Rebels at 2:30 o'clock Sunday afternoon. Both games are slated for the Winona softball grounds and are parts of double headers. The two engagements will give the Y-12 lassies a chance to meet two of the best Knoxville teams and supporters of the team are urged to make the jaunt over to the big city and whoop it up for the girls.

Last Saturday night the Robins handed the Rebels a 5 to 4 trouncing, staging off a last inning rally by the visitors. Each team got only four hits, the Y-12 bingles being by Ruby McGinnis, Peggy Dickens, Bonnie Roberts and Helen Brown.

In the second half of the double header the Y-12 men's varsity softballers took it on the chin from the Burns Appliance team for a Knoxville by 7 to 1. Ed Sise started for Y-12 and was relieved by Johnny Webb, borrowed for the occasion from ORNL in the fifth. Between them they whiffed seven and allowed six hits, the sack number gathered by Y-12. Five Y-12 bobbles didn't help the home cause.

Line scores follow:

Team				R	H	E
Rebels	010	000	3	4	4	1
Y-12	003	002	x	5	4	6

Batteries: Y-12, P. Roberts and B. Roberts. Rebels, Pack and Rainwater.

Team				R	H	E
Burns Appl.	101	014	0	7	6	2
Y-12	100	000	0	1	6	5

Batteries: Y-12, Sise, Webb (5) and Hale. Burns Appliances, McSpadden, Holland (5) and Wells.

The most lovable quality that any human being can possess is tolerance. It is the vision that enables one to see things from another's viewpoint. It is the generosity that concedes to others the right to their own opinions and their own peculiarities. It is the bigness that enables us to let people be happy their own way.

## Efforts Of Chemists To Eliminate Animal Ailments To Be Told On 'Headlines In Chemistry' Program Sunday By Y-12 Employee

Life expectancy of pets now is much greater than it was 10 years ago as a result of efforts of chemists in preparing remedies for animal ailments—and details of some of these developments will be outlined by Roberta McCutcheon, of the Y-12 Technical Service Laboratory on the Headlines in Chemistry program to be given at 9:15 o'clock Sunday night, June 25, over Oak Ridge Radio Station WATO. The program is a weekly feature sponsored by the East Tennessee Section of the American Chemical Society.

### Other Y-12ers Have Been Heard

Other Y-12ers who have appeared on the programs recently are C. D. Susano, also of the Technical Service Laboratory; and V. C. Jackson, of the Analytical Laboratory.

Excerpts from the talk on "Chemistry and the Family Pet" follow:

"You have all seen pictures of pampered cats and dogs being fed candy, ice cream and beer but the day of haphazard feeding of the family pet is happily a thing of the past due to the chemist. Today, balanced diets are available at the corner grocery store in handy packages or cans to assure your dog, cat, canary or gold fish of proper food."

### Candy And Catnip For Pets

"One dog food company puts its product up in three different flavors so Fido won't get tired of the same thing every day. Dog candy that is good for the dog is available as well as catnip flavored vitamins for cats. So the chemist has not only made it possible for your pet to be well fed but also has provided a product that the animal can consider as desert."

"Does Fido prefer to sleep on the bed or in your favorite chair? Well, the chemists have an answer to that also. It's a non-toxic, odorless chemical that can be sprayed on the furniture and will make the family pup decide he prefers the floor anyway. The liquid is very unpopular with dogs and cats but is very welcome to mother, to whom the task of training the family pet generally falls. This same chemical can be sprayed on evergreens and other shrubbery to prevent dogs from bothering them. For this discovery the dog would probably confine the chemist to the dog house but the housewife or husband are very enthusiastic about it."

### Subject To Human Ailments

"Dogs and cats are subject to many of the ills that beset the human race. They have stomach ulcers, they worry, have nervous breakdowns, ruptures, tumors, diabetes and are very susceptible to respiratory ailments, particularly pneumonia, asthma and bronchitis. Ten years ago, a pet suffering from one of the many ailments just mentioned would have in all probability died without the family knowing that anything was seriously wrong. Today, it is a different story, puppies are given distemper shots at an early age to guard them against this scourge of young dogs. Rabies shot required by law in most states is slowly stamping out this most feared of animal diseases."

Furthermore, if your pet appears to be ill a trip to the vet will soon fix him up because the veterinarian has the newest drugs



ROBERTA McCUTCHEON, OF THE Y-12 TECHNICAL SERVICE Laboratory, is shown with her pets, Tink, a thoroughbred collie; and Kitty Puss, a feline of not so aristocratic lineage. Roberta will talk on the role of chemistry in improving care of pets on the Headlines in Chemistry program over WATO Sunday night. Tink is doing one of the best jobs of "mugging" ever seen outside Hollywood while Kitty Puss just doesn't seem to give a hoot about the proceedings.

## 'One Second From Eternity, Son,' Engineer Tells Youth And Girl

A railroad engineer whose speeding train nearly crashed into an automobile at a grade crossing near Freemont, Kan., several months ago, addressed an open letter to "the youth and his girl" in the machine. It was published in the Omaha World Herald, but it was many weeks before the name of the engineer became known.

After the identity of the engineer was established as Chester E. Belt, of Council Bluffs, Iowa., he was highly praised by his company for the letter and advice given the careless youth who was racing the train to the crossing. As a reminder to all motorists of their responsibility to drive carefully and the hazards existing at railroad grade crossings, the letter by Engineer Belt is reprinted here.

### Pests Are Eliminated

"Fleas, ticks, flies and mosquitoes make life miserable for cats and dogs but now on the market is a new product which will eliminate these pests. It's a cream shampoo containing D.D.T. and lanolin. Frequent bathing of your dog with this shampoo will keep him clean and comfortable. This shampoo cannot be used for cats because it contains D.D.T. but there are several good dry shampoos that effectively remove fleas from your cat."

"The family that has gold fish or canaries also will find a wide assortment of foods, vitamins and other items that will keep your gold fish frisky and your canary singing sweetly."

"The life expectancy of the family pet is much longer now than it was years ago, chiefly due to the efforts of the chemist."

available for treating humans to use in safeguarding your family dog or cat. Sulfa drugs, penicillin, auromycin and other drugs were tested on dogs before they were used to treat humans, therefore, it is only fitting that these same drugs should be used to treat diseases of the animal kingdom."

"If I were that young girl, I'd pull away from you, fast. You don't have good sense, son. You probably say you love her. I wonder. Those we love we try to protect. But not you."

### 'Were Scared To Death'

"I don't know who you are, that's true, but I do know you were scared to death Sunday evening near 9 o'clock when you drove your car directly in front of a speeding passenger train. It was so close that I, in the cab, could see the young girl (your sweetheart, I presume) throw her hands up in front of her face and cringe up against you in stark horror."

"If I were that young girl, I'd pull away from you, fast. You don't have good sense, son. You probably say you love her. I wonder. Those we love we try to protect. But not you."

### Could Have Killed Trainmen

"Wouldn't that have been a nice present to give to your mother—a broken and battered body? And how do you think we in the cab of that engine would feel. We are